Amateur Radio Newsline(tm) Report 1789 - November 25 2011

Ladies and gentlemen, with a holiday thank-you, here's our producer Bill Pasternak, WA6ITF:

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With Thanksgiving upon us, I just wanted to take a moment to say thank you to all of you who have donated to the Amateur Radio Newsline Support Fund since our call for assistance made a month ago. Thanks to your generosity we have exceeded our goal $1000 and it looks like we may have enough funds to hold us through the winter and maybe even into early spring. We won't know for sure until we see how expenses are, but right now it looks rather promising.

Also, at I want to say a special thank you to our regular monthly contributors some of whom have been with us for years. You may be small in number, but it's your ongoing support that makes a big difference in keeping us going and - more important -- keeping us from having to make weekly or monthly appeals. You know who you are and we want you to know that you are very much appreciated.

And withn that - to all - a very Happy Thanksgiving from all of us here at the Amateur Radio Newsline. Now here is this weeks report.

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Thanks Bill. Now, Amateur Radio Newsline report number 1789 with a release date of Friday, November 25th, 2011 to follow in 5-4-3-2-1.

The following is a Q-S-T.

Ham radio responds to a wildfire in Reno, Nevada; the FCC restructures the ham radio rules regarding 5 MHz; amateurs are asked to assist in a space plasma experiment; improved propagation could mean records will be set in an upcoming contest and a bit of New York City's old Radio Roe lives on. Find out where on Amateur Radio Newsline(tm) report number 1789 coming your way right now

(Billboard Cart Here)

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RESCUE RADIO: HAM RADIO RESPONDS TO NEVADA WILDFIRE

Amateur radio was put on alert when a massive firestorm swept through a section of South West Reno Nevada. Amateur Radio Newsline's Don Carlson, KQ6FM, is the Nevada Section Emergency Coordinator and has this first hand report:

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While most of the stories and reporting I do for Amateur Radio Newsline are from far away, this story hit especially close to home.

Shortly after midnight early on Friday morning of November 18th, a firestorm ignited near the affluent southwest Reno area of Caughlin Ranch. While it is currently uncertain exactly caused the blaze, a storm was in the area and with it, winds between 50 an 70 mph. This presented a major problem for firefighters, who were brought in from all over Nevada to assist the Reno Fire Department.

By dawn nearly 200 acres had already been burned destroying many homes in it's path. This brought about the opening of Washoe County's Regional Operations Center. At the request of Emergency Manager Aaron Kenneston, KE7GFF - who is himself a licensed Amateur Operator, I was summoned to open the communications center the facility. Many served agencies were already on hand, and just after 9 am we were asked to provide communications support for the American Red Cross, who had already opened 2 shelters at 2 local high schools and a third was being staged.

Emergency officials had been conducting mandatory evacuations in the area due to the fast burning blaze. More than 9500 residents had been forced from their homes and evacuated before Noon. Rob Gilmore, KI6TRK, AEC to the Red Cross contacted Joe Consolo, KD7QDL who immediately opened the radio room at the Reno Chapter office. I had set up a command net on the W7TA Repeater, owned by the Sierra Nevada Amateur Radio Society Club, as KI6TRK and I took check ins from operators offering to proceed to the shelter areas. ARES was tasked with providing information and direct communications between the shelters and the Chapter office, as well as keeping those at the EOC informed of quickly changing situations.

By late that afternoon, the fire, then named the Caughlin Fire, had destroyed 21 homes, however more than 40 had been spared by the efficient work of Nevada firefighters. Reno Fire Department reported that as of Monday morning, November 21st the Caugulin Fire was 100 percent contained and many of the residents were returning home. As we go to air, the final statistics have not yet been reported.

We in the Nevada section are also grateful for the many Amateur Radio ARES members who offered help from neighboring sections, as far away as Southern California. Your offers of help are deeply appreciated.

For the Amateur Radio Newsline, this is Don Carlson, KQ6FM, NV Section Emergency Coordinator in Reno, Nevada.

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Don says we will have more in a future Amateur Radio Newsline reports. (KQ6FM)

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RESTRUCTURING: FCC ADOPTS NEW RULES FOR US 5 MHZ OPERATION

The FCC adopted the use of the name 60 meter band to refer to 5 MHz amateur radio operations but United States hams are still only allowed to transmit on 5 specific channels. Burt Hicks reports:

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The Federal Communications Commission released a Report and Order on November 18th with new rules governing the Amateur Radio Service operations in the 5MHz or 60 meter spectrum. Among its actions, the FCC the changed the regulations to permit Upper Sideband, RTTY, Data, and CW but with with specific limitations on the use of these modes. It also issued a new 60 meter band 5MHz Channel List.

The major change here was that the channel at 5366.5 Upper Sideband was deleted and replaced with with a new channel at 5357.0 kHz Upper Sideband with its center frequency at 5358.5 kHz. Upper Sideband Phone, Data, or RTTY transmissions may use the dial indicated Upper Sideband suppressed carrier frequency at 1.5 kHz below the center of the channel.

Transmissions must not exceed the 2.8kHz bandwidth on any of the channels. RTTY modes such as PSK31 must not exceed 60Hz necessary bandwidth. Data modes must not exceed 2.8kHz bandwidth. CW bandwidth must not exceed 150Hz and the CW frequency should be at the center of the channel. Data stations operating under section 97.221 automatically controlled digital station, are not allowed on these 5MHz channels. Operators transmitting data or RTTY must exercise care to limit the length of transmission so as to avoid causing harmful interference to US Government stations.

The 5 MHz band available to General, Advanced, or Amateur Extra Class license only. The maximum allowed effective radiated power is now 100 Watts P-E-P referenced to a dipole. If another type of antenna is used, the station licensee must maintain a record of either the antenna manufacturer's data on the antenna gain or calculations of the antenna gain.

Lastly, but most important, amateur radio is a "secondary user" in this band, and must not cause harmful interference to other services. Also, the Amateur Radio Service must accept any and all interference from other primary services and other nation's services. No complaints from hams about interference from other spectrum users will be accepted.

For the Amateur Radio Newswline, I'm Burt Hicks in Los Angeles.

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The new rules were released in a Report and Order on ET Docket No. 10-98. They take effect 30 days after publication in the Federal Register. (FCC)

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WORLDBEAT: RSGB BEGINS RESTRUCTURING FOLLOWING EXTRAORDINARY AGM

The results are in and the Radio Society of Great Britain has begun its own restructuring with the approval by the membership of a new governing board.

Some 135 people attended the RSGB's Extraordinary General Meeting held on Saturday, November 19th. The meeting had been called to consider a series of Resolutions to put in place an Interim Board to address some of the challenges currently faced by the United Kingdom's national ham radio society.

The gathering was chaired by RSGB President Dave Wilson, M0OBW. Those at the meeting heard from Don Beattie, G3BJ, Acting General Manager, of the issues leading up to the resolutions being proposed. A vote followed which lead to the approval of all measures brought to the table including one to create a new Interim Board.

Commenting on the meeting, President Wilson said that he was delighted that members have given such a resounding vote of confidence to move ahead with the new Interim Board. Wilson says that it clearly shows there's an appetite for change and the new Interim Board carries the responsibility for working with the membership to develop the details of the way ahead.

The new Board also released a statement. It noted in part that the Interim Board is committed to more open and consultative processes as it works on the changes needed for the RSGB. It says that it expects to start on those early in 2012.

Not everyone was happy with the changes and the new Interim Board was quick to address this as well. In their statement, the board said -and we quote:

"We want to say something to those members who voted 'no' to the resolutions today. We ask that you give us a chance to show what we are and how we will work. In return we will engage with you to gain your ideas and thoughts in exactly the same manner as we will with all other members. Should you be thinking of it, leaving the Society at this stage is the single most damaging thing you can do, and is in no-one's interest."

By way of background, the Extraordinary RSGB General Meeting came as the result of several issues. Among these were internal problems that lead to the dismissal of a former employee and the shrinking global economy that has forced many organizations to reassess their position and objectives. (RSGB, others)

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HAM RADIO IN SPACE: HAMS ASKED TO HELP IN ISS PLASMA EXPERIMENT

The Central Research Institute of Machine Building in Russia has proposed an test using the worldwide ham radio community to receive a VHF packet downlink on 145.825 MHz. This, from a new plasma space experiment on the International Space Station.

The Central Research Institute is conducting a series of space plasma experiments in order to evaluate the shape of previously observed "dead" zone, or shadowing due to the firing of an onboard arc jet plasma source. Radio Amateurs are invited to participate in thispace plasma experiment known as Shadow. One matter of interest is that

highly ionized exhaust plumes may scatter RF signals producing large communications free zone.

More on this experiment and how to participate is on-line at tinyurl.com/plasma-in-space and we will have more ham radio space related news later on in this weeks Amateur Radio Newsline report. (ANS)

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BREAK 1

With you 52 weeks a year, every year since 1976. From the United States of America, we are the Amateur Radio Newsline, heard on bulletin stations around the world including the W4VRB repeater serving Vero Beach, Florida.

(5 sec pause here)

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RADIO LAW: MEASURE BEFORE CONGRESS MAY HELP INTERNATIONAL HAM-SAT COOPERATION

A measure now before Congress may help ease the Federal Government restrictions on United States radio amateurs engaging in collaborative projects with hams and ham radio groups in other parts of the world. Amateur Radio Newsline welcomes reporter Cheryl Lasek, K9BIK, who has this report:

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The measure is known as H.R. 3288 and it proposes to reduce International Traffic in Arms Regulation restrictions on commercial satellite development.

Since enacted, these laws have posed the threat of heavy fines and prison sentences to any United States individual or organization if they collaborate with others overseas on certain high tech projects. This includes radio amateurs working on projects such as satellite based technology if it was deemed to be dual use. Dual use is a legal term that refers to products, information and techniques of some scientific research that could in some way be misused for nefarious purposes. Because of this a number of amateur satellite programs have been negatively affected.

Among the ventures harmed by the International Traffic in Arms Regulations has been the New Zealand Amateur Radio satellite KiwiSAT project. A 2009 I-A-R-U Region 3 report highlights the fact that the United States International Traffic in Arms Regulations requirements had forced AMSAT North America direct its members to cease cooperation with AMSAT New Zealand in the development of the KiwiSAT ham radio bird. This, even though New Zealand is a long time staunch allies of the United States.

Now, H.R. 3288 which is titled Safeguarding United States Satellite Leadership and Security Act of 2011 has been introduced into the United States House of Representatives. Sponsored by Representative Howard Berman of California, it is in its first step of the legislative process in Congress to become law.

What opposition, if any, H.R. 3288 may run into is as it makes its way through the law-making process is at this time not known. We will do our best to keep you posted.

For the Amateur Radio Newsline, Im Cheryl Lasek, K9BIK, reporting from Zion, Illinois.

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Additional information, including a link to the text of the bill, list of the co-sponsors, and a tracking overview as it progresses through the congressional law making system is on-line at tinyurl.com/space-bill. (AMSAT, Southgate, Universe Today, other published news reports)

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RADIO LAW: CONGRESSIONAL MEASURE SEEKS TO EXTEND PLMRS NARROWNANDING TO

A measure has been introduced into the United States House of Representatives aimed at directing the FCC to extend the final deadline for private land mobile radio licensees to migrate to narrowband technology by an additional 2 years.

Sponsored by Congressman Steve Rothman of New Jersey, the measure designated as H. R. 3430 would set January 1st of 2015 as the new date when users of private land mobile two-way radio would be forced to migrate from the current 25 KHz inter-system spacing to 12.5 Khz or narrower spacing.

The new technical standard affects private land mobile operations in the 150 to 174 and 421 to 512 MHz bands only. Amateur service allocations in the 420 to 450 MHz spectrum would not be subject to the new inter-system narrowband standard. (RW)

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HAM HISTORY: RADIO ROE'S LEEDS RADIO STILL GOING STRONG

According to the New York Times, the city's Radio Roe still lives. At least in one tiny but important spot to experimenters and electronics devotees.

Radio Roe was an area in lower Manhattan that was the mecca for hams and electronic experimenters during the early to mid-20th century. It was torn down in the late 1960's to make way for construction of the World Trade Center. As a result, many of the businesses that were the home to all kinds of radio parts at bargain basement prices disappeared. But not all.

According to a New York Times feature article, one company did survive into the 21st century and is still going strong. Leeds Radio that used to be owned by Bernie Goldstein never closed. It just moved across the East River to the Williamsburg area of Brooklyn. And in 1994 it was purchased by Richard Matthews who has kept up the many traditions that made Leeds Radio a must visit location on Manhattan's Vesey Street from the time it opened way back in 1923.

If you were a kid ham or kid techno-geek of the 1940s and 1950's and lived in New York City this story will bring back fond memories. Even if you were a baby-boomer ham who grew up elsewhere and ordered your parts by mail, its bound to touch a chord in your heart. Best of all you can read it on-line at tinyurl.com/leeds-radio and take a trip back in time. (KB4KCH, New York Times)

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NAMES IN THE NEWS: KIRK PICKERING K4RO IS NEW NCJ EDITOR

Some names in the news. First up is Kirk Pickering, K4RO, of Pegram, Tennessee, who has been named Editor of the National Contest Journal. This effective with the January/February 2012 issue.

Pickering, who has been licensed since 1976, began writing the "Contesting 101" column in the in 2008. He says that he has been chasing DX since 1986, and in 1994, began entering contests. His current interests are mostly contesting and DXing and that he tends to enjoy CW contesting the most.

Pickering takes over from Al Dewey, K0AD, of Plymouth, Minnesota, who has served as National Contest Journal Editor since 2008. (NCJ)

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NAMES IN THE NEWS: W4CGB ANNOUNCES NEW 6 METERS NET

And Robert Yates, W4GCB, of La Grange, Georgia says that a new and informal net has been established on 50.155 MHz at 01:30 UTC Monday nights.. That's 8:30 p.m. on the East Coast. Yates says that the purpose of the net is to keep 6 meters active even when propagation is limited. (Via e-mail)

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NAMES IN THE NEWS: RON MOOREFIELD, W8ILC, PRESENTED THE ALLAN SEVERSON, AB8P, MEMORIAL AWARD

Ron Moorfield, W8ILC, has been honored with the Allan Severson, AB8P, Memorial Award. This in recognition of his decades spent in service to amateur radio through his participation in ARES and other organizations.

The award was presented to Moorefiled at a meeting of the Dayton Amateur Radio Service in Kettering, Ohio on Friday, November 3rd by ARRL Ohio Section Manager Frank Piper, KI8GW. In making the

presentation, Piper noted that the award to Moorefield was not only based on his long resume of service but also in the way that W8ILC carried out these tasks with integrity.

Created in 1992 as the Ohio Ham of the Year Award, it was renamed in 1999 to honor the memory of Allan Severson, AB8P. It is presented to amateur radio operators in the Ohio ARRL Section who have demonstrated a continuing dedication to the advancement of the hobby. As previously reported, W8ILC recently stepped down as ARES leader in ARES after more than half a century of service to his community. (ARRL Ohio Section)

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NAMES IN THE NEWS: WB6ACU AND THE EAGLES TO CELEBRATE 40 YEARS IN 2012

Last but by no means least comes word that Joe Walsh, WB6ACU, and The Eagles will celebrate their milestone 40th anniversary by touring in 2012. In an interview with Rolling Stone Magazine, Walsh said that this celebration is not going to be a continuation of the band's recent tours. Rather, says Walsh the band is pulling out all the stops to create a new set up that'll be more than worth the price of admission.

To accomplish this, Walsh revealed that he and his mates will take to the road for about five months during the second half of the year. According to WB6ACU, they have been archiving a lot of material from the Eagles early days, including concert footage, interviews and the like. He says that these will be the visuals to go along with the songs. WB6ACU says that they will revisit some old songs and some new material as well.

The full story of Joe's plans with both the Eagles and also the James Gang can be read on-line. The U-R-L is ultimateclassicrock.com/the-eagles-tour-next-year/.

While we're at it, let's all wish WB6ACU a happy birthday. Joe celebrated birthday number 64 on November 20th. (Ultimate Classic Rock)

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BREAK 2

The news never stops and neither do we. We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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RADIOSPORTS: IMPROVED PROPAGATION COULD SET RECORDS FOR CQWW CW CONTEST

This CQ World Wide CW contest on November 26th and 27th holds the potential of setting some new records. This thanks to some of the best propagation in years. Amateur Radio Newsline's Heather Butera-Howell,

KB3TZD, has the details:

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After fantastic conditions gave contesters wide open airwaves on 10 meters for the first time in eight years, it could be a repeat in the CQ Worldwide CW Contest, as high sunspot numbers continue.

Hams operating on the 10 and 15 meter bands from the Midwest report some of the best conditions in 35 years. Openings on the 10 and 15 meter bands certainly contributed to higher claimed scores in 2010. Jim Sullivan, W7EJ went from 15 million points last year to the top single operator score on record, with 19.3 million points operating from CN2R in Morocco, where he is an both an Operator and a QSL manager.

Despite the good band conditions, no one has yet come near the CQ Worldwide SSB record set by Jeff Stein-man, N5TJ, back in 1999 of 25.6 million points operating from EA8BH in the Canary Islands.

After a number of years where 10 and 15 meters were nothing more than a second radio multiplier, this year's CW test could be a repeat of the SSB leg, where those bands are wide open at the same time. The changing propagation on the high bands requires the use of a different strategy.

For the Amateur Radio Newsline, I'm Heather Butera-Howell, KB3TZD, from Pennsylvania.

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The CQ Worldwide CW contest runs 0000 UTC November 26th through 2359 UTC November 27th. We hope to hear many of you on the air. (KB3TZD)

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HAM RADIO IN SPACE: ISS ACTIVE AGAIN ON UHF PACKET

The amateur radio station located in the Columbus module of the International Space Station is currently operational on packet on 437.55 MHz.

To utilize the packet system, operators on the ground need to set the UNPROTO path to ARISS with the identification of RS0ISS for digi relay. Alternately, they may connect to the BBS using the callsign RS0ISS-1.

The packet beacon is set for 2 minute intervals so it may not appear to be active over many parts of the world but it is. N5HVO advises to simply keep listening and keep in mind the Doppler shift of + or - 10 KHz. (N5VHO)

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WORLDBEAT: SCIENTISTS PLAYING PING PONG WITH ELECTRONS

Scientists at the Cambridge University in the United Kingdom have shown an amazing degree of control over the most fundamental aspects of an electronic circuit. That being the way in which electrons move from

one place to another.

Researchers at the University's Cavendish Laboratory have moved an individual electron along a wire, batting it back and forth over sixty times almost as if it were the ball in a game of ping pong. The research finding may have applications in quantum computing transferring a quantum 'bit' between processor and memory.

This new work is called an enabling technology for quantum computers. As such, there is a lot of work going on worldwide to make this new type of processing unit that some say may solve certain complex problems much faster than classical computers. (SARL)

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WORLDBEAT: RATS DAMAGE RADIO NETHERLANDS TRANSMITTER ON BONAIRE

Radio Netherlands is kind of saying "Oh rats!" This with word that the international shortwave broadcaster has encountered serious damage to one of its Thomson transmitters on the island of Bonaire due to an invasion of the pesky critters.

According to Media Network, the vermin have destroyed part of the transmitters high voltage power supply and the station is awaiting the arrival of spare parts have from Switzerland. Radio Netherlands hopes to have the damage repaired by the time this newscast goes to air. (MN)

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WORLDBEAT: UK AUTO MANUFACTURERS NOT SUPPORTING DIGITAL RADIO BROADCASTING

The United Kingdom's government mandated switchover date for digital radio may need to be extended several years. This following a new survey of car manufacturers that reveals at least half are steering clear of the new entertainment technology.

As part of its Digital Britain vision, the U-K Department for Culture, Media and Sport named 2015 as the deadline for turning off its ageing but very popular analogue radio network, in favor of one based on digital standards. The move would mean the majority of today's in-car tuners as well as home radio sets would cease to function overnight.

But new findings from Auto Express Magazine suggest the switchover could now be delayed until 2017 or later. This after a survey of 24 mainstream car manufacturers by the publicatrion has revealed that 50 percent do not offer any digital radio units for their model range, even as an optional extra. Also, almost 60 per cent of new vehicles registered this in the U.K. this year came with no option for the installation of a digital radio receiver. (MN, Auto Express, Southgate)

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WORLDBEAT: NE ZEALAND ANNOUNCES KORDIA NATIONAL SYSTEM AWARD FOR 2012

>From New Zealand comes word that the 2012 Kordia National System Award for Historic Places is being hosted once again by The Hamilton Amateur Radio Club and Branch 12 of the NZART. This, in association with the New Zealand Historic Places Trust.

The Kordia National System Award is a described as a fun honor and one that is available to all New Zealand amateurs to demonstrate the coverage and use of the National System, to promote New Zealand history and Category 2 of Historic Places. Details are on line at tinyurl.com/historic-paces-award. (NZART)

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ON THE AIR: CELEBRATING ARIZONA CENTENNIAL FEB 13 - 19 2011

The Central Arizona DX Association will sponsor a special event operation in celebration of the Arizona Centennial during the week of February 13th to the 19th of 2012. Operations will be on all amateur bands from 160 through 2 meters using CW, SSB, RTTY, PSK31 and several ham radio satellite modes. The callsign to listen out for is K7UGA. If it sounds familiar that's because it belonged to the late United States Senator and Arizona native son, Barry M. Goldwater.

This Central Arizona DX Association operation has received recognition from the 2012 Arizona Centennial Foundation as a sanctioned "Special Event" and from the Arizona Historical Advisory Commission as an official "Centennial Legacy Project".

During the event individual Central Arizona DX Association members will be operating from their home stations located throughout Arizona using the late Senator Goldwater's K7UGA callsign however only special operating locations from Tucson, Prescott and Phoenix will be on the air celebrating the 100th anniversary. Thart is slated to take place on Tuesday, February 14th.

If you work special event station K7UGA you can QSL with a self addressed stamped envelope to Bob Davies, K7BHM at his QRZ.com or callbook address. More about this very special Arizona Centennial operating event is on-line at www.cadxa.org (Via e-mail)

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DX

In DX, G3RWF will be active as 5X1NH from Uganda for the next several weeks. His operation began on November 23rd and he will concentrate on the lower bands. QSL via his home callsign.

SP2JMB andSP2TO will be on the air from Mauritius Island as 3B8GY between February 5th to the 25th. Activity will be on all HF bands using CW, SSB and RTTY. Also, both operators will be active in ARRL International DX CW Contest on February 18th and 19th. QSL via SP2JMB.

Following the cancellation of the C21A Nauru expedition, Pacific DXers team members now plan to be active from Tuvalu as T2T through December 8th. QSL as directed on the air.

LA6VM who was the co-organizer and team leader on the E35X expedition to Eritrea in 1993 is back in the news. Word is that he has obtained the callsign E35X and may be active again. No other details are available as we go to air.

Lastly, word that HB9DTH is now retired and living in Slovaquia. He has received the callsign OM0DX and says that his on-the-air time will be mainly RTTY and CW contesting. QSL electronically using either eQSL or Logbook of the World. No bureau QSL's are being accepted for this one.

(Above courtesy of various DX news sources)

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THAT FINAL ITEM: BREAKING THE SPEED OF LIGHT

And finally this week, researchers at CERN which is the world's biggest physics lab say they have ruled out one possible error. An error that could have distorted their surprising measurements of earlier this year that appeared to show particles traveling faster than light. Amateur Radio Newsline's Bruce Tennant, K6PZW, has more:

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Many physicists reacted with skepticism in September when measurements by French and Italian researchers seemed to show subatomic neutrino particles breaking what Nobel Prize-winning physicist Albert Einstein considered the ultimate speed barrier. The European Organization for Nuclear Research said more precise testing has now confirmed the accuracy of at least one part of the experiment.

One key test was to repeat the measurement with very short beam pulses. The test allowed scientists at CERN to check if the starting time for the neutrinos was being measured correctly before they were fired 454 miles underground from Geneva to a lab in Italy. The researchers say that these results matched those from the previous test, ruling out one potential source of systematic error.

According to Albert Einstein's 1905 Special Theory of Relativity, nothing can travel faster than 186,282 miles per second which is the speed of light. But the CERN researchers claimed last September that when the margin of error in their experiment allowed for at just 10 nanoseconds their neutrinos traveled 60 nanoseconds faster. A nanosecond is one-billionth of a second.

For the Amateur Radio newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

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Scientists at CERN stress that only independent measurements by labs elsewhere would allow them to declare that the result of their experiment was a genuine new finding. Also, these latest findings are already being challenged by other research teams. (Science On-Line,

BBC, Telegraph UK, and other published news reports)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Don Wilbanks, AE5DW saying 73 and a very Happy Thanksgiving from southern Mississippi, and we thank you for listening.

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